



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Fang, et al.

Appln. No.: 09/910,483

Filed: July 19, 2001

Title: HUMANIZED ANTIBODIES

Atty. Docket No.: 014357-0278772

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Examiner: Wortman, D.

Group Art Unit: 1648

Certificate of Mailing Under 37 C.F.R. §1.8

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By: Karyn F. Massie
Karyn F. Massie

Date: 11/15/03

INFORMATION DISCLOSURE STATEMENT

Director of Patents
MS: Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing the enclosed citations submitted in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56.

Request Under Rule 97(c): A first action on the merits has been issued in this matter, please accept this Information Disclosure Statement under Rule 97(c) and find an "Authorization to Pay and Petition for Acceptance of Any Necessary Fees" to satisfy Rule 17(p) requiring payment of \$180.00. If the amount authorized is incorrect or insufficient, the Commissioner is hereby authorized to charge any fee required to the deposit account or to credit any overpayment to our deposit account and proceed to consider this Information Disclosure Statement.

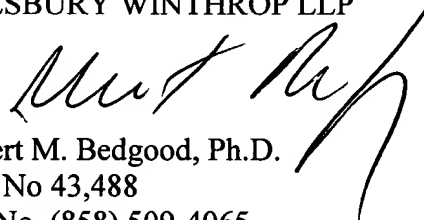
This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

This Information Disclosure Statement is not to be constructed as a representation that any of the listed citations establishes, by itself or in combination with other information, a prima facie case of unpatentability of any claim in the above-identified patent application. Additionally, this Information Disclosure Statement is not to be constructed as a representation that a further search of the art has been made by the Applicant, or that additional information unknown to the Applicant and relevant to the examination of this patent application does not exist.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,

PILLSBURY WINTHROP LLP

A handwritten signature in black ink, appearing to read 'Robert M. Bedgood', is written over the printed name and contact information.

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FORM PTO-1449 (modified)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: FANG, Fang

Appln. No.: 09/910,483

Filing Date: July 19, 2001

Date: November 5, 2003

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of

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Examiner: Wortman, D.

Group Art Unit: 1648

U.S. PATENT DOCUMENTS

| Examiner's Initials* | Document Number | Date MM/YYYY | Name (Family Name of First Inventor) | Class | Sub Class | Filing Date (if appropriate) |
|----------------------|-----------------|--------------|--------------------------------------|-------|-----------|------------------------------|
| AR | | | | | | |
| BR | | | | | | |
| CR | | | | | | |
| DR | | | | | | |
| ER | | | | | | |

FOREIGN PATENT DOCUMENTS

| | Document Number | Date MM/YYYY | Country | Inventor Name | English Abstract | | Translation Readily Available | |
|----|-----------------|--------------|---------|---------------|------------------|----|-------------------------------|----|
| | | | | | Enclosed | No | Enclose | No |
| FR | JP10-101699 | 10/1998 | Japan | | | X | | |
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| HR | | | | | | | | |

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

| | | | | |
|----|---|-----|--|--|
| IR | Ohtomo, et al., "Humanization of Mouse ONS-M21 Antibody With The Aid of Hybrid Variable Regions," (1995) <i>Molecular Immunology</i> , Vol. 1, No. 6, pp. 407-416. | | | |
| JR | Mateo, et al., "Humanization of a mouse monoclonal antibody that blocks the epidermal growth factor receptor: recovery of antagonistic activity," (1997), <i>Immunotechnology</i> , Vol. 3, pp. 71-81. | Yes | | |
| KR | Nagahira, et al., "Humanization of a mouse neutralizing monoclonal antibody against tumor necrosis factor- α (TNF- α)," (1999), <i>Journal of Immunological Methods</i> , Vol. 222, pp. 83-92. | Yes | | |
| LR | Saldanha, et al., "A single blackmutation in the human kIV framework of a previously unsuccessfully humanized antibody restores the binding activity and increases the secretion in cos cells," (1999). <i>Molecular Immunology</i> , Vol. 36, pp. 709-719. | Yes | | |
| MR | Tempest, et al., "Identification of framework residues required to restore antigen binding during reshaping of a monoclonal antibody against the glycoprotein gB of human cytomegalovirus," (1995), <i>Int. J. Biol. Macromol.</i> , Vol. 17, No. 1, pp. 37-42. | Yes | | |
| NR | Carter, et al., "Humanization of an anti-p185(HER2) antibody for human cancer therapy," (1992), <i>Proc. Natl. Acad. Sci.</i> , Vol. 89, pp. 4285-4289. | Yes | | |
| OR | Presta, et al., "Humanization of an Antibody Directed Against IgE," (1993), <i>Journal of Immunology</i> , Vol. 151, No. 5, pp. 2623-2632. | Yes | | |

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.